

# Purchase Order Receipt Listing

Friday, September 22, 2017 10:24:38 AM

All amounts are calculated in domestic currency.

All Vendors PO ID PO37615 Receipt Dates from 9/21/2017 to 9/21/2017 All Line Item Types  
All Item ID/GL/WOs All Rec. Employees All Currencies  
Grouped by Vendor ID

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID	Reference/ Description/ Cert Std	PO U/M / Stock U/M	Required Date Required Qty	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
Vendor ID/Vendor Name											
PO37615	1		VU-MET002	A.M. Castile & Co. (Canada) Inc.- C/O 910720	9/18/2017	9/21/2017	24,0000		0.0000	0	\$0.00
			M7075T6S1.250X2.7 f								
			50	1,245 X 2.800							
			M7075T6S1.250" f		48,0000	PLOU01			0.0000	0	
			X2.750" CUT FROM								
			PLATE								
			m138583								
USD	No										
<div> <div>Total Received Quantity:</div> <div>Total Qty to Inspect (PO U/M):</div> <div>Total Reject Quantity:</div> <div>Total Receipt Value:</div> <div>Total Balance Due Quantity:</div> </div>											
											24,0000
											0.0000
											0.0000
											0.0000

DAS  
5  
9-89



Castle Metals®

A. M. Castle & Co.

PACKING SLIP/  
CERTIFICATE OF CONFORMANCE

Page 1 of 1

Shipment No:3388804

<b>Ship From:</b> A. M. CASTLE & CO. 2150 ARGENTIA ROAD MISSISSAUGA, ON L5N 2K7 CAN		<b>Sold To:</b> DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA	<b>Ship To:</b> DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CAN	<b>Deliver To:</b> DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA
<b>Date Shipped</b> 20-SEP-17	<b>F.O.B.</b> ORIGIN	<b>Freight Terms</b> Prepaid	<b>Carrier</b> MANITOULIN	<b>BOL No</b> 3388804-2

**Shipment Details**

Order No	Line No	Item No	Description
4879382	1	752114.MO	1.2500.PL.7075.T651.ALUMINUM.ESI.48.5000.144.5000 CUT 2SIDED TO 2.75 IN ( + .1250/- .0000 IN) X 144.5 IN ( + .1250/- .0000 IN) - ALUMINUM PLATE SAW SPECIFICATIONS: AMS-QQ-A-250/12

<b>Purchase Order No</b> 37615	<b>Part Number</b>	<b>Ordered Qty</b> 2.00 PCS	<b>Invoice Qty</b> 2.00 PCS
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**Details**  
ALL PAPERWORK MUST FOLLOW ORDER / CUSTOMER MUST RECEIVE AT TIME OF DELIVERY  
ALL MATERIAL MUST HAVE IDENTIFYING MARKINGS EX:HEAT #'S  
Email P/s and certs to: clavoie@dartaero.com  
END USER: DART AEROSPACE  
END USE: COMMERCIAL AIRCRAFT PARTS

817-9-22

Delivery No.	Mill/Source	Heat Number	Mech Id	PCS	Width (IN)	Length (IN)	Shipped Qty(LBS)
121312269	CONSTELLUM ROLLED PRODUCTS	5 9-89 9382341		2			102.8254

We hereby certify the material covered by this certification conforms in accordance with the above specifications and has been found to meet the applicable requirements for the material, including any specifications forming a part of the description. Test reports are on file subject to examination. All claims for defective material are waived unless made in writing to A.M. Castle & Co. within 60 days of the shipment. Material cut to the correct size, or material cut by the customer cannot be returned.

Reviewed by Authorized Castle Metals Representative: **SHIPPED SEP 20 2017** Date: Name: *Ed. Rander*

Date Printed: 20-SEP-2017 04:09:43 PM



# Constellium



## CERTIFIED TEST REPORT

Constellium Rolled Products  
Ravenswood, LLC

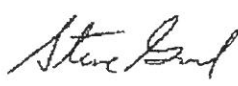
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A M CASTLE & COMPANY  
4175 ROYAL DRIVE  
KENNESAW GA  
30144  
US

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O

A M CASTLE  
1420 KENSINGTON ROAD, SUITE 220  
OAK BROOK IL  
60523  
US

A M CASTLE 110502703 4075 INCLUSION Serial:20170220-0110502703 Pg 2of2

CUSTOMER PURCHASE ORDER NO. & ITEM 410933				Constellium ORDER NO. 196570		<b>CERTIFICATION</b> "Constellium Rolled Products, hereby certifies that metal shipped under this order has been inspected and found in conformance with the requirements of the applicable specifications as indicated herein. Any warranty is limited to that shown on Constellium Rolled Products' standard General Terms and Conditions of Sales. Test reports are on file, subject to examination." Constellium Rolled Products Ravenswood, LLC 859 Century Road P.O. BOX 68 RAVENSWOOD, WV 26164 USA   Steve Good - Laboratory Manager	
ALLOY 7075	CLAD	TEMPER T651	GAUGE 1.25000 in 31.75 mm	WIDTH 48.50000 in 1,232 mm	LENGTH 144.50000 in 3,670 mm		
ITEM ORDERED SPEC PLATE SAWED MILL FINISH							
CUSTOMER SPECIFICATION AMS 4045K							
PART NUMBER 752114		B/L NUMBER 75896		DATE SHIPPED 02/21/2017			
WT. SHIPPED 2670 000 LB		NO. OF PIECES 000003		GOVT. CONTRACT NO.			

Tensile - Room Temperature (SI)							
		Ultimate (N/MM2)		Yield (N/MM2)		Elongation (%)	
Direction	Tests	Min	Max	Min	Max	Min	Max
LT	02	561	563	493	495	13.0	13.0

Chemistry (Actual)									
	SI	FE	CU	MN	MG	CR	ZN	TI	ZR
Core	0.06	0.17	1.52	0.03	2.58	0.21	5.58	0.04	0.01

OTHERS-EACH: .05 MAX. OTHERS TOTAL: .15 MAX. AL REMAINDER

All material contained in this lot was cast and manufactured in the USA

QUALITY TEXTS:  
AMC CA 15403A R 7

THIS TEST REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT THE WRITTEN APPROVAL OF THE LABORATORY OR AUTHORIZED QUALITY DELEGATE. THE RECORDING OF FALSE, FICTITIOUS, OR FRAUDULENT STATEMENTS OR ENTRIES ON THE CERTIFICATE MAY BE PUNISHED AS A FELONY UNDER FEDERAL LAW.

CHEMISTRY BY OES: ARKSPARK

CHEMISTRIES REPORTED IN PERCENTAGE BY WEIGHT

WHEN FRACTURE TOUGHNESS TEST REQUIRED, TESTED PER ASTM E399

WHEN TENSILE TEST REQUIRED, TESTED PER ASTM E8; B557

DUNS Number: 090570149; CAGE Code: 1YW19

Mercury is not a normal contaminant in aluminum alloys and neither mercury nor any of its compounds were utilized in the manufacture of our product.

"END OF CERTIFICATION"

B3-8-2

Constellium

Accredited  
Nadcap  
Material's Testing Laboratory

# CERTIFIED TEST REPORT

Constellium Rolled Products  
Ravenswood, LLC

SHIP TO


A M CASTLE &amp; COMPANY

4175 ROYAL DRIVE  
KENNESAW GA  
30144  
US

SOLD TO

A M CASTLE

1420 KENSINGTON ROAD, SUITE 220  
OAK BROOK IL  
60523  
US

A M CASTLE		110502703		4075		INCLUSION		Serial:20170220-0110502703		Pg 1of2	
CUSTOMER PURCHASE ORDER NO. & ITEM 410933						Constellium ORDER NO. 196570					
ALLOY 7075	CLAD	TEMPER T651	GAUGE 1.25000 in 31.75 mm	WIDTH 48.50000 in 1.232 mm	LENGTH 144.50000 in 3.670 mm		<b>CERTIFICATION</b> "Constellium Rolled Products, hereby certifies that metal shipped under this order has been inspected and found in conformance with the requirements of the applicable specifications as indicated herein. Any warranty is limited to that shown on Constellium Rolled Products' standard General Terms and Conditions of Sales. Test reports are on file, subject to examination." Constellium Rolled Products Ravenswood, LLC 859 Century Road P.O. BOX 68 RAVENSWOOD, WV 26164 USA   Steve Good - Laboratory Manager				
ITEM ORDERED SPEC PLATE, SAWED MILL FINISH											
CUSTOMER SPECIFICATION AMS 4045K											
PART NUMBER 752114			B/L NUMBER 75896		DATE SHIPPED 02/21/2017						
WT. SHIPPED 2670.000 LB		NO. OF PIECES 000003		GOVT. CONTRACT NO.							

## ALL LOTS ON THIS CERTIFICATION ALSO CONFORM TO THE FOLLOWING REQUIREMENTS:

ASTM B594 REV 13 2013 100% SONIC W/ 0.125"DEADZONE Class A  
 AMS QQ-A-250(12A)  
 AMS-STD-2154A 2012 TYPE1 CLASS A 100% SONIC MINUS DEADZONE  
 ASTM B209-14  
 BSS-7055B 2013 CLASS A 100% SONIC TESTED MINUS DEADZONE  
 CMMP025 REV U  
 CST1006 REV E 2011 CLASS A 100% SONIC MINUS DEADZONE  
 DPS 4 713 REV AK 2012 CLASS A 100% SONIC MINUS DEADZONE  
 GAMP5 9101 REV B 2006 CLASS A 100% SONIC MINUS DEADZONE  
 PS 21211P 2010 CLASS A 100% SONIC MINUS DEADZONE

## Load Details

Package	Net Lbs	Kg	Lot	Piece	Serial	Parent Lot
1001453411	890.000	403.697	9382341	01		
1001453411	890.000	403.697	9382341	02		
1001453411	890.000	403.697	9382341	03		

Lot: 9382341

Tensile - Room Temperature (US)

Direction	Tests	Ultimate (KSI)		Yield (KSI)		Elongation (%)		Report
		Min	Max	Min	Max	Min	Max	
LT	02	81.3	81.6	71.5	71.8	13.0	13.0	

<b>STRAIGHT BILL OF LADING -SHORT FORM - ORIGINAL - NOT NEGOTIABLE</b> RECEIVED. Subject to the classification and tariffs in effect on the date of issue of this Bill of Lading. The property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classification in effect on the date hereof, if this is a rail or water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.		<b>Shipper No.:</b> 3388804-2 <b>FROM AT:</b> A. M. Castle & Co. 2150 ARGENTIA ROAD MISSISSAUGA ON L5N 2K7 CAN
<b>Consigned To:</b> DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY ON K6A 1K7 CAN		<b>Ship Date:</b> 20-SEP-17 <b>Payment Terms:</b> Prepaid <b>REMIT FREIGHT INVOICES TO:</b> RayTrans Management, Inc. PO Box 1210 Washington PA 15301
<b>Delivery instructions:</b> ALL LOADS MUST BE TARPED. DELIVER PACKING LIST AND TEST REPORTS OR CONSIGNEE WILL REFUSE.		<b>Carrier Name:</b> MANITOULIN
<b>Additional Insurance Coverage:</b> The agreed or declare value for the property is hereby specifically stated by the shipper to be not exceeding: _____ per _____		

**Shipment Breakdown:**

Quantity	Packaging	Class	Commodity
1	BOX	FAK_50	Metal Product

**Shipment Weights:**

Product	103 LBS
Dunnage	10 LBS
Gross	113 LBS

**ORDER DETAIL:**

Customer PO	Sales Order No.	Line No.	Castle Item No.	Quantity Shipped	Castle UOM
37615	4879382	1	4879382*1*1	2	PCS

Subject to Section 7 of Conditions of applicable bill of Lading. If this shipment is to be delivered to the consignee without recourse to the consignor, the consignor shall sign the following statements. The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.	If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is "carrier's or shipper's weight." NOTE: Where the rate is dependent on value, the shippers are required to state specifically in writing the agreed or declared value of the property.
THIS SHIPMENT IS TO BE TENDER RECEIVED AND TO BE CARRIED SUBJECT TO ALL TERMS AND CONDITIONS OF THE STEAMSHIP COMPANIES CURRENT FORM BILL OF LADING	The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding
THIS IS TO CERTIFY THAT THE ABOVE NAMED ARTICLES ARE PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED AND LABELED, AND ARE IN PROPER CONDITION FOR TRANSPORTATION ACCORDING TO THE APPLICABLE REGULATIONS OF THE DEPARTMENT OF TRANSPORTATION.	Customer is responsible for all shipping documents and compliance with United States and Canadian laws, including but not limited to U.S. and Canadian Export laws and regulations.

**Shipper No.:** 3388804-2

**SHIPPER, PER:** \_\_\_\_\_  
*insert creator's name*
**Per** \_\_\_\_\_ **Date** \_\_\_\_\_  
*Driver's Signature*
**PROOF OF DELIVERY:** \_\_\_\_\_  
*Signature / Date*
**Name** \_\_\_\_\_  
**Please Print Name Here**
**All pages must be signed**

Page 1 of 1



TEST REPORT  
 ENVELOPE  
 MUST SHIP  
 WITH MATERIAL

# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M7075+G51.250X2.750

PO / BATCH NO.: PO37615/113858

DATE: SEP 22 2017

MATERIAL CERT REC'D: yes

THICKNESS ORDERED: 1.250X2.750

QUANTITY RECEIVED: 24'

THICKNESS RECEIVED: 1.245X2.800

QUANTITY INSPECTED: 24'

SHEET SIZE ORDERED: N/A

QUANTITY REJECTED: 0

SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	<input checked="" type="checkbox"/> N	
CORRECT FINISH	<input checked="" type="checkbox"/> Y	N	
CORROSION	Y	<input checked="" type="checkbox"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> Y	N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="checkbox"/> Y	N	ASTM B209
CORRECT THICKNESS	<input checked="" type="checkbox"/> Y	N	
PHOTO REQUIRED	Y	<input checked="" type="checkbox"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> Y	N	HT# 9382341
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> Y	N	
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> Y	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	<input checked="" type="checkbox"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	<input checked="" type="checkbox"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK.  
RECORD RESULTS BELOW

	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

*testers located in the Quality Office*

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DA5</u> DATE: <u>SEP 22 2017</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

# SPECIFICATION CONTROL DRAWING

△ PURCHASE MATERIAL: 7075-T6/T62/T651 ALUMINUM SHEET OR PLATE

SPECIFICATION: QQ-A-250/12 OR AMS-QQ-A-250/12  
OR AMS 4049 DAS  
OR ASTM B209 5

OR

△ PURCHASE MATERIAL: 7075-T6/T62/T651 ALCLAD ALUMINUM SHEET OR PLATE

SPECIFICATION: QQ-A-250/13 OR AMS-QQ-A-250/13  
OR AMS 4048/4049  
OR ASTM B209

△ PART NUMBER: M7075T6S

TTT X W.WWW  
THK WIDTH

△ WHERE ".TTT" = THICKNESS (IN INCHES)  
AND "W.WWW" = WIDTH (IN INCHES, OPTIONAL, FOR SPECIFYING CUT PLATE)

EC: 0.063" THICK SHEET = M7075T6S.063  
EG: 3.5" WIDE BY 0.500" THICK PLATE = M7075T6S.500X3.500

△ PREFERRED SIZE: .TTT BY 4FT BY 10FT FOR SHEET

RELEASED

2017 JUN 19  
EEN 17-574

APPROVED

B	ADD. REF. TO PLATE: T651 TEMPER. AMS 4048, OPTIONAL WIDTH DIM (CARB. 1-2)	CP	17.05.05
A	NEW ISSUE	RF	10.11.08
DESIGN	DESCRIPTION	BY	DATE
DRAWN	RF	CP	
CHECKED	CP	ML	
MFG. APPR.	LL	WM	
APPROVED	WM	LL	
DE APPR.	D9	WM	
DATE	17.05.05		
DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA DRAWING NO. M7075T6S SHEET 1 OF 1 REV. B SCALE NTS 7075-T6 SHEET/PLATE SPEC			
COPYRIGHT © 2010 BY DART AEROSPACE LTD THIS DOCUMENT IS THE PROPERTY OF DART AEROSPACE LTD. NOT TO BE USED FOR ANY PURPOSE OR TO REPRODUCE IN ANY MANNER WITHOUT THE WRITTEN PERMISSION FROM DART AEROSPACE LTD.			





Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID PO37615

Purchase Order Date 8/30/2017

PO Print Date 9/5/2017

Page Number 1 of 2

Order From :  
METAUX CASTLE  
P.O. BOX 4090 STN A  
TORONTO, ONTARIO M5W OE9  
CANADA

VU-MET002

Ship To : DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

E-MAILED

REVISED

Contact Name

Vendor Phone

Ship To Contact

Ship To Phone

Ship Via: Yours ppd

Ship Acct:

Buyer

Diane Baker

Customer POID

Customer Tax #

10127-2607

Terms

Net 30

Currency

USD

FOB

Destination-Collect

Line Nbr	Reference Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
	Line Comments		Promise Date				
	Delivery Comments						
1	M7075T6S1.250X2.750	M7075T6S1.250" X2.750" CUT FROM PLATE	9/13/2017		48.00	\$26.60	\$1,276.80

Yes

f

9/13/2017

MAT'L 7075-T6/T62 ALUMINUM SHEET  
SPECS QQ-A-250/12 OR AMS-QQ-A-250/12 OR AMS 4045 OR PER ASTM B209

MAT'L 7075-T6/T62 ALCLAD ALUMINUM SHEET  
SPECS QQ-A-250/13 OR AMS-QQ-A-250/13 OR AMS 4049 OR PER ASTM B209

Rec'd F.  
24  
Rec'd 24th Sept 9-22  
Line Total: \$1,276.80

2	71401-45	PROCUREMENT QUALITY CLAUSES
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9/13/2017

1.00

\$0.00

\$0.00

No

9/13/2017

Procurement Quality Clauses  
A005 right of entry  
A012 chemical and physical test report  
A016 personnel qualification  
A017 raw material identification (as applicable)  
A026 certification of material conformance  
A041 quality management system  
A042 dart notification by supplier  
A043 retention of quality documents

Sept-9-18

Note:

9/5/2017





Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID **PO37615**

Purchase Order Date 8/30/2017

PO Print Date 9/5/2017

Page Number 2 of 2

Order From :  
METAUX CASTLE  
P.O. BOX 4090 STN A  
TORONTO, ONTARIO M5W OE9  
CANADA

VU-MET002

Ship To : DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

Contact Name

Vendor Phone

Ship To Contact

Ship To Phone

Ship Via: Yours ppd

Ship Acct:

Buyer

Customer POID

Customer Tax #

Terms

Currency

FOB

Diane Baker

10127-2607

Net 30

USD

Destination-Collect

Line Total: \$0.00

PO Total: \$1,276.80

Note: Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit [www.dartaerospace.com](http://www.dartaerospace.com) for further explanation.

Change Nbr: 3

Change Date: 9/5/2017